## TABLE OF CONTENTS

DISCLAIMER	. ii
ACKNOWLEDGMENTS OF THE BULL TROUT RECOVERY PLAN	. iii
EXECUTIVE SUMMARY FOR THE BULL TROUT RECOVERY PLAN	. iv
TABLE OF CONTENTS	. ix
WHAT IS A RECOVERY PLAN?	1
DEVELOPMENT AND ORGANIZATION AND ORGANIZATION OF THE BULL TROUT RECOVERY PLAN	
INTRODUCTION	6
General Description and Life History	
Essential Habitat Characteristics	
Aquatic Community	
Reasons for Decline	
STRATEGY FOR RECOVERY	. 43
Habitat and Population Terminology	
Recovery goals and objectives	
Recovery Criteria	
Distinct Population Segment Structure and Population Units	
The Role of Recovery Units in Survival and Recovery of Bull Trout The Role of Artificial Propagation and Transplantation in Bull Trout	. 33
Recovery	. 54
The Role of Fire and Aquatic Habitats in Bull Trout Recovery	. 55
The Role of the Mainstem Columbia and Snake Rivers	
Recovery Monitoring and Evaluation	
Bull Trout Recovery and Delisting Determinations	. 60
ACTIONS NEEDED TO INITIATE RECOVERY	. 62
Recovery Measures Narrative	. 62
IMPLEMENTATION SCHEDULE	. 71
REFERENCES CITED	. 72
APPENDIX 1: GLOSSARY	96

APPENDIX 2: BULL TROUT PROTECTION AND RECOVERY GUIDANCE FOR FEDERAL LANDS
APPENDIX 3: EFFECTIVE POPULATION SIZE AND RECOVERY PLANNING
APPENDIX 4: LIST OF CHAPTERS
TABLES
Table 1. Bull trout recovery units by distinct population segment and State(s) 3
Table 2. Relationship of Recovery Actions and Criteria to Threats and Listing Factors to Bull Trout Recovery Planning
FIGURES
Figure 1. Bull trout recovery units in the United States
Figure 2. Estimated historical range of bull trout in the coterminous United States
Figure 3. Bull trout sub populations